

**WHAT IS CLAIMED IS:**

1. An image access device with a wireless transmission function,  
comprising at least:

a scan unit being used for scanning a to-be-scanned document and  
5 outputting a scan image accordingly;

a control unit being used for receiving a signal, which initiates a  
wireless scan function, to control the scan unit to scan the to-be-scanned  
document accordingly; and

a first wireless transmission unit being used for receiving the scan  
10 image and transmitting the scan image to a portable electronic device in a  
wireless transmission way.

2. The image access device according to claim 1, wherein the control unit  
is used for receiving the computer-output signal which initiates the wireless  
scan function.

15 3. The image access device according to claim 1, wherein the image  
access device further comprises:

a wireless scan operation unit being used for being triggered to output

the signal to the control unit and accordingly initiate the wireless scan function.

4. The image access device according to claim 3, wherein the wireless scan operation unit is a touch panel.

5 5. The image access device according to claim 3, wherein the wireless scan operation unit is a hot key.

6. The image access device according to claim 1, wherein the portable electronic device comprises:

a second wireless transmission unit whose wireless transmission  
10 protocol is compatible with that of the first wireless transmission unit;

a memory unit being used for storing the scan image received by the second wireless transmission unit; and

a display unit being used for displaying the scan image stored in the memory unit.

15 7. The image access device according to claim 6, wherein the wireless transmission protocol of the first wireless transmission unit is 802.11a.

8. The image access device according to claim 6, wherein the wireless

transmission protocol of the first wireless transmission unit is 802.11b.

9. The image access device according to claim 6, wherein the wireless transmission protocol of the first wireless transmission unit is 802.11g.

10. The image access device according to claim 6, wherein the wireless transmission protocol of the first wireless transmission unit is a Bluetooth wireless transmission protocol.

11. The image access device according to claim 1, wherein the portable electronic device is a personal digital assistant (PDA).

12. The image access device according to claim 1, wherein the portable electronic device is a mobile phone.

13. The image access device according to claim 1, wherein the image access device is a scanner.

14. The image access device according to claim 13, wherein the scan unit is a chassis.

15. An image access device with a wireless transmission function comprising:

a scan unit being used for scanning a to-be-scanned document and

outputting a scan image accordingly;

a wireless scan operation unit being used for being triggered to output  
a signal which initiates the wireless scan function;

a control unit being used for receiving the signal which initiates wireless  
5 scan function to control the scan unit to scan the to-be-scanned document  
accordingly; and

a first wireless transmission unit being used for receive the scan image  
and transmitting the scan image to a portable electronic device in a wireless  
transmission way.

10 16. The image access device according to claim 15, wherein the portable  
electronic device comprises:

a second wireless transmission unit whose wireless transmission  
protocol is compatible with that of the first wireless transmission unit;

a memory unit being used for storing the scan image received by the  
15 second wireless transmission unit; and

a display unit being used for displaying the scan image stored in the  
memory unit.

17. The image access device according to claim 15, wherein the wireless scan operation unit is a touch panel.

18. The image access device according to claim 15, wherein the wireless scan operation unit is a hot key.

5 19. The image access device according to claim 15, wherein the portable electronic device is a PDA.

20. An image access device with a wireless transmission function comprising:

10 a scan unit being used for scanning a to-be-scanned document and outputting a scan image accordingly;

a control unit being used for receiving a signal which initiates wireless scan function output by a computer to control the scan unit to scan the to-be-scanned document accordingly; and

15 a first wireless transmission unit being used for receiving the scan image and transmitting the scan image to a portable electronic device.

21. The image access device according to claim 20, wherein the portable electronic device comprises:

a second wireless transmission unit whose wireless transmission protocol is compatible with that of the first wireless transmission unit;

a memory unit being used for storing the scan image received by the second wireless transmission unit; and

5 a display unit being used for displaying the scan image stored in the memory unit.

22. The image access device according to claim 20, wherein the portable electronic device is a PDA.

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